

FIG.1

Step A

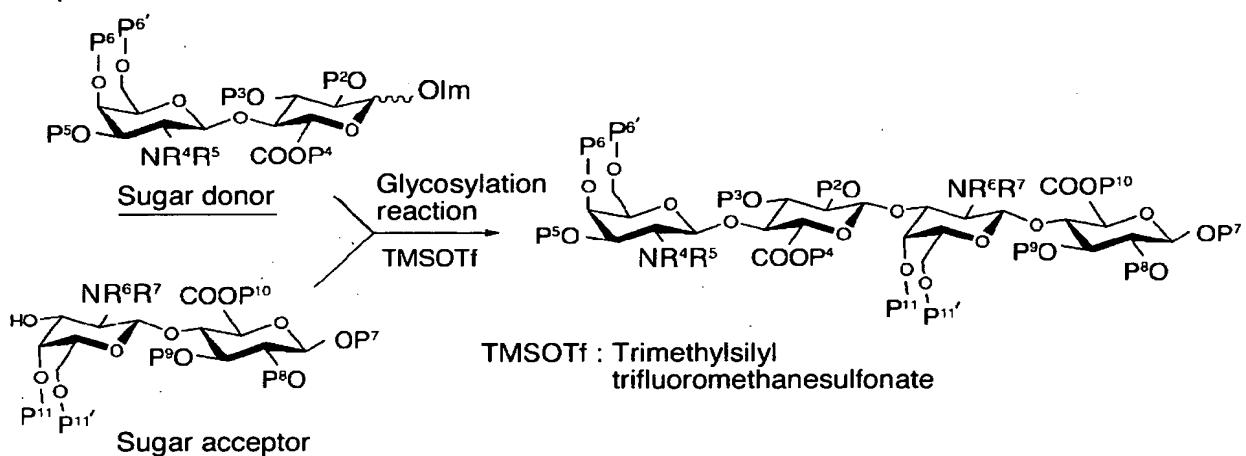
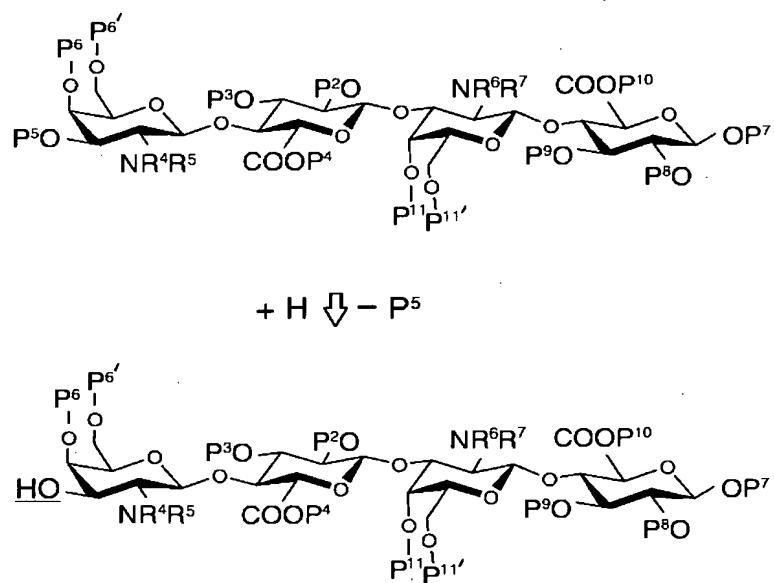


FIG.2

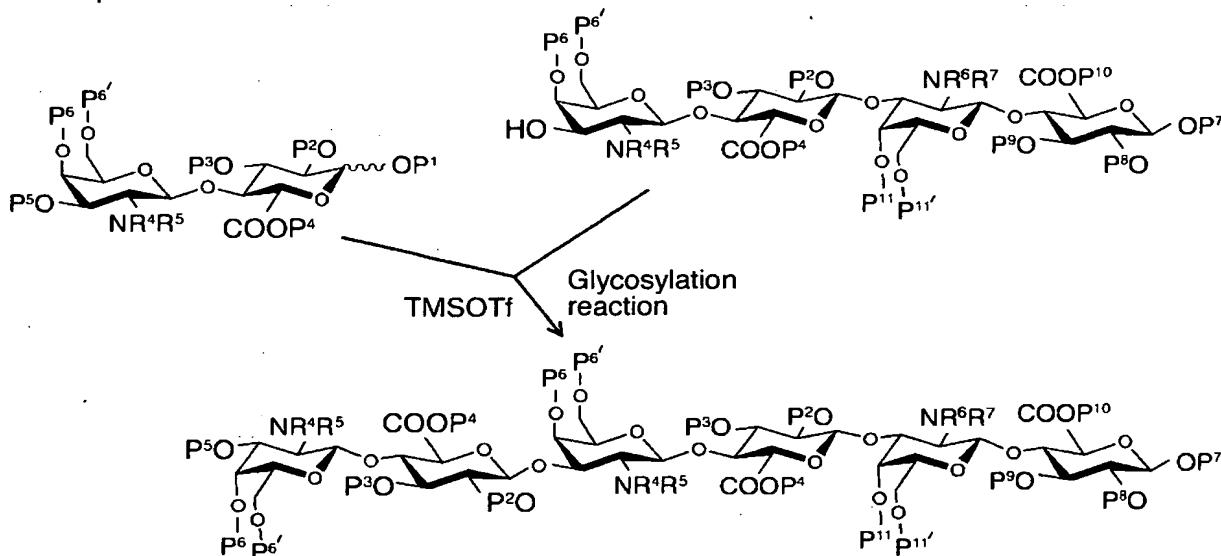
Step B



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FIG.3

Step C



TMSOTf : Trimethylsilyl trifluoromethanesulfonate

FIG.4

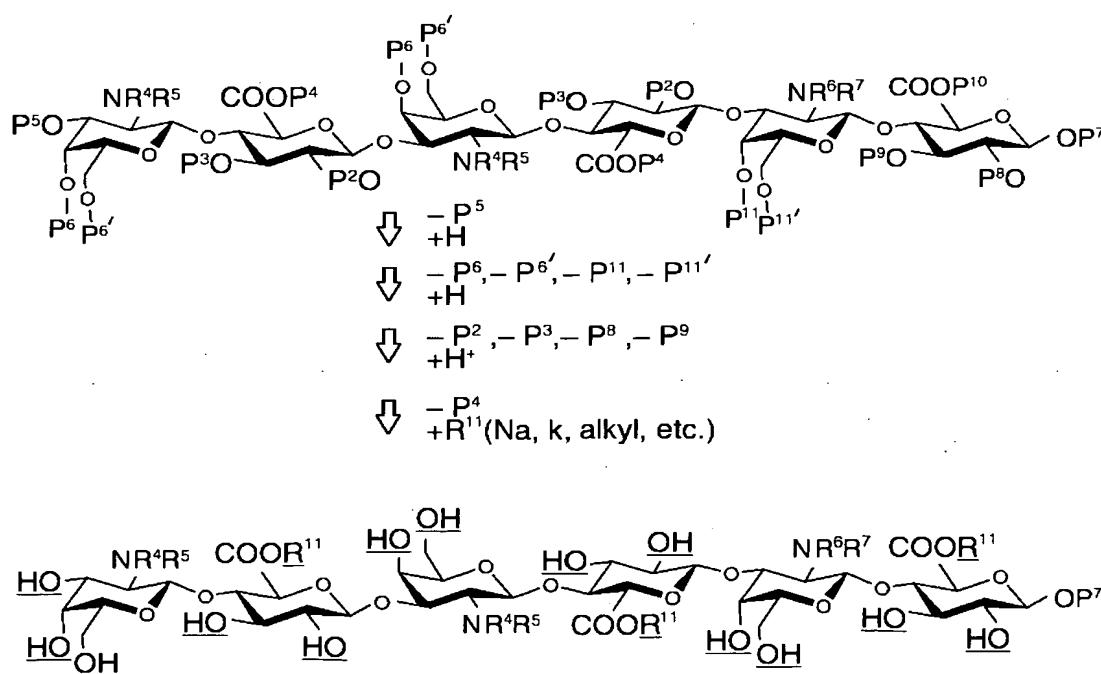
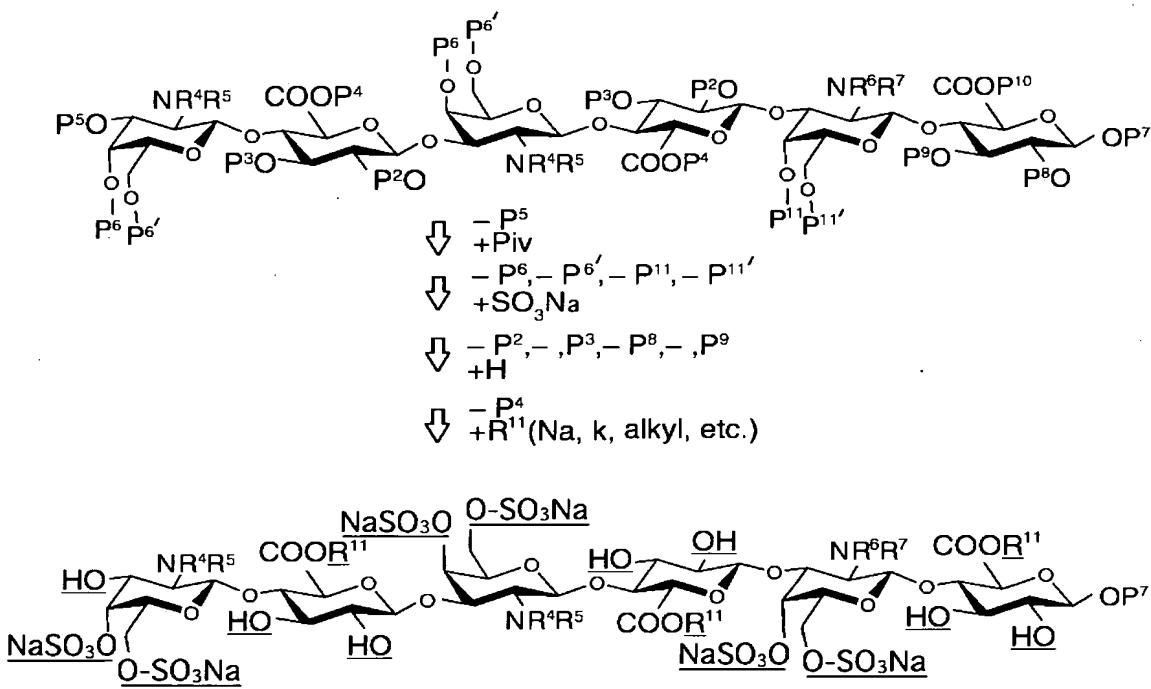


FIG.5



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FIG.6-1

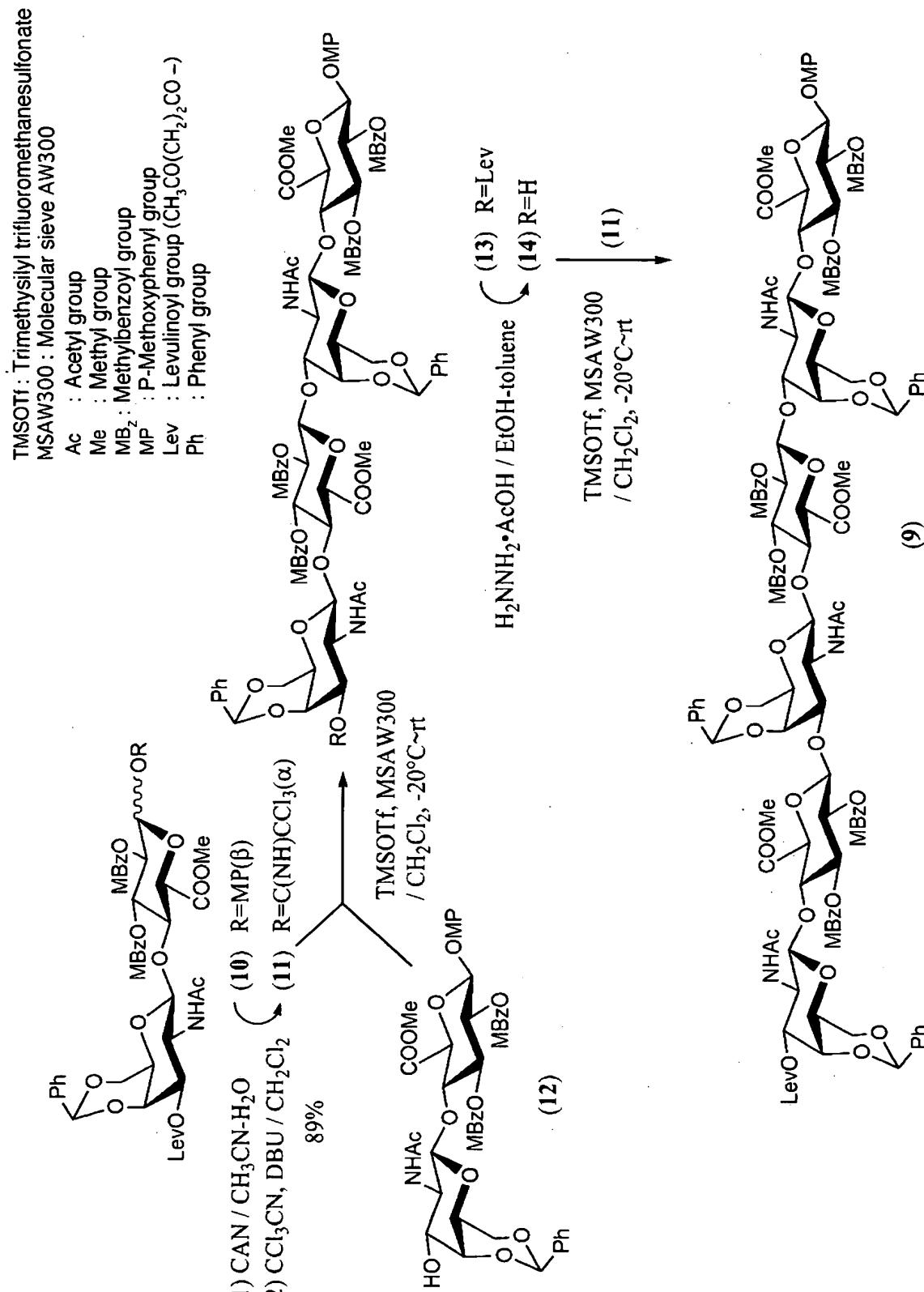
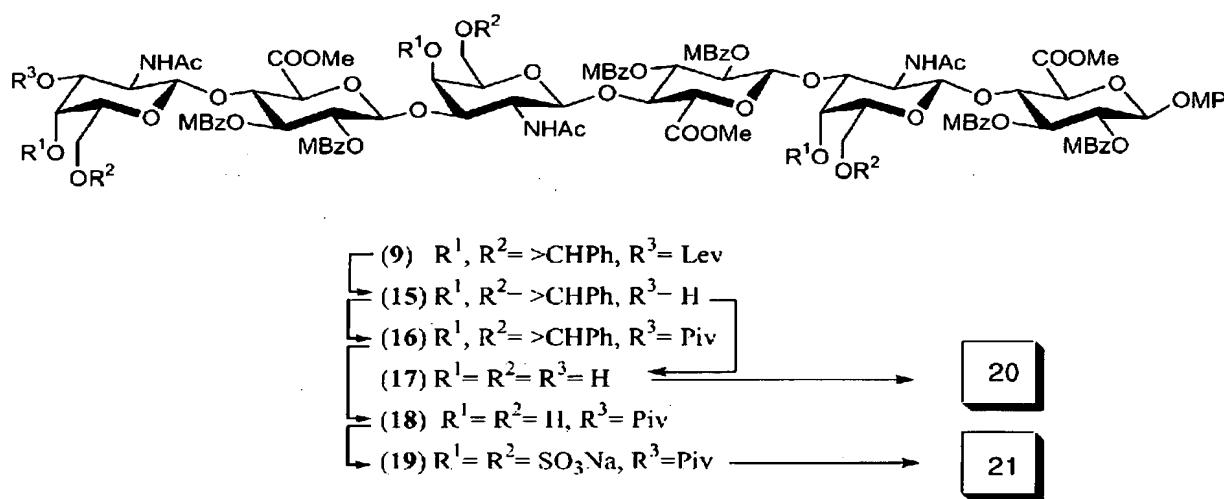


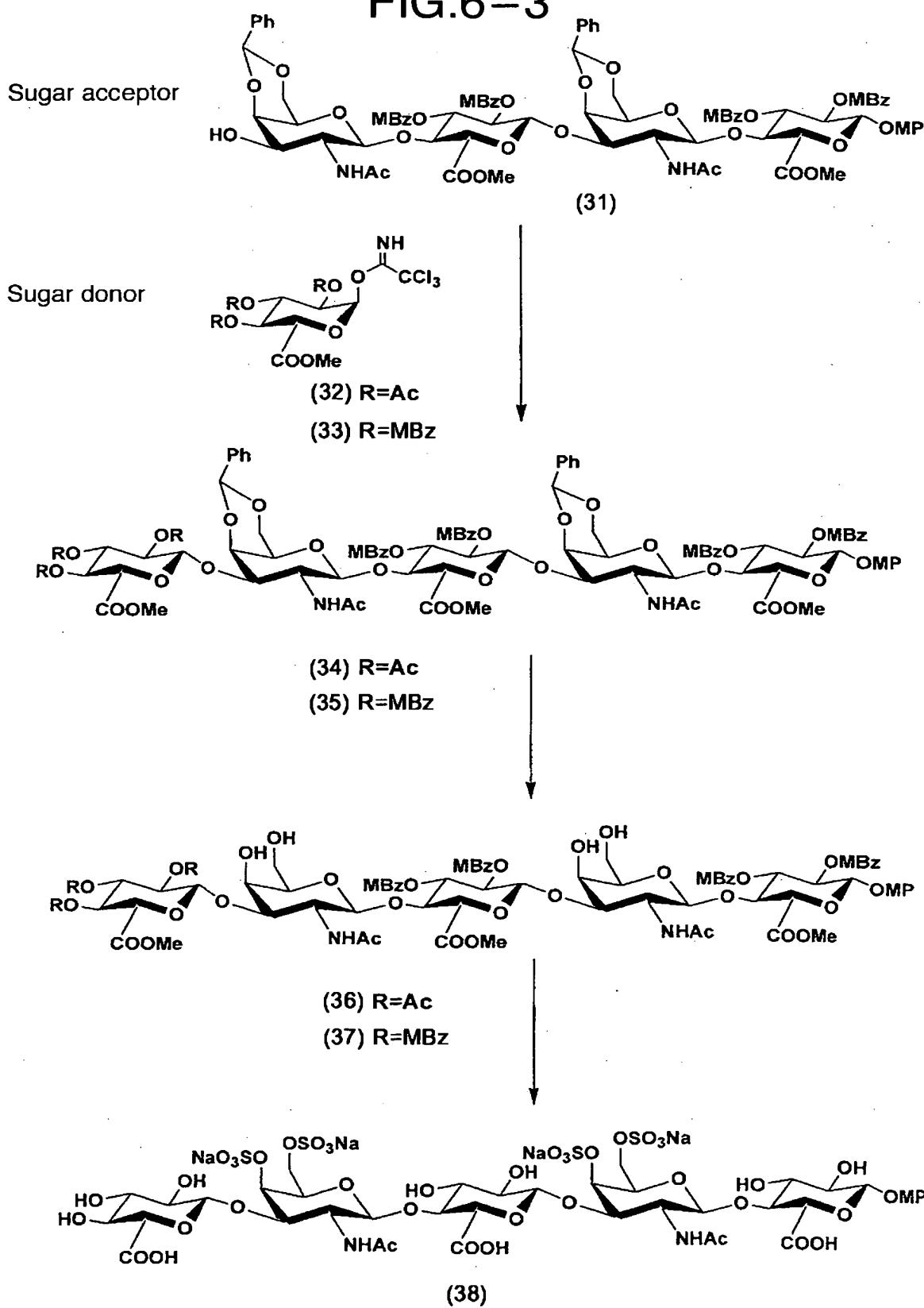
FIG.6-2



Ac : Acetyl group  
 Me : Methyl group  
 MBz : Methylbenzoyl group  
 MP : P-Methoxyphenyl group  
 Lev : Levulinoyl group (CH<sub>3</sub>CO(CH<sub>2</sub>)<sub>2</sub>CO - )  
 Piv : Pivaloyl group ((CH<sub>3</sub>)<sub>3</sub>CO - )  
 Ph : Phenyl group

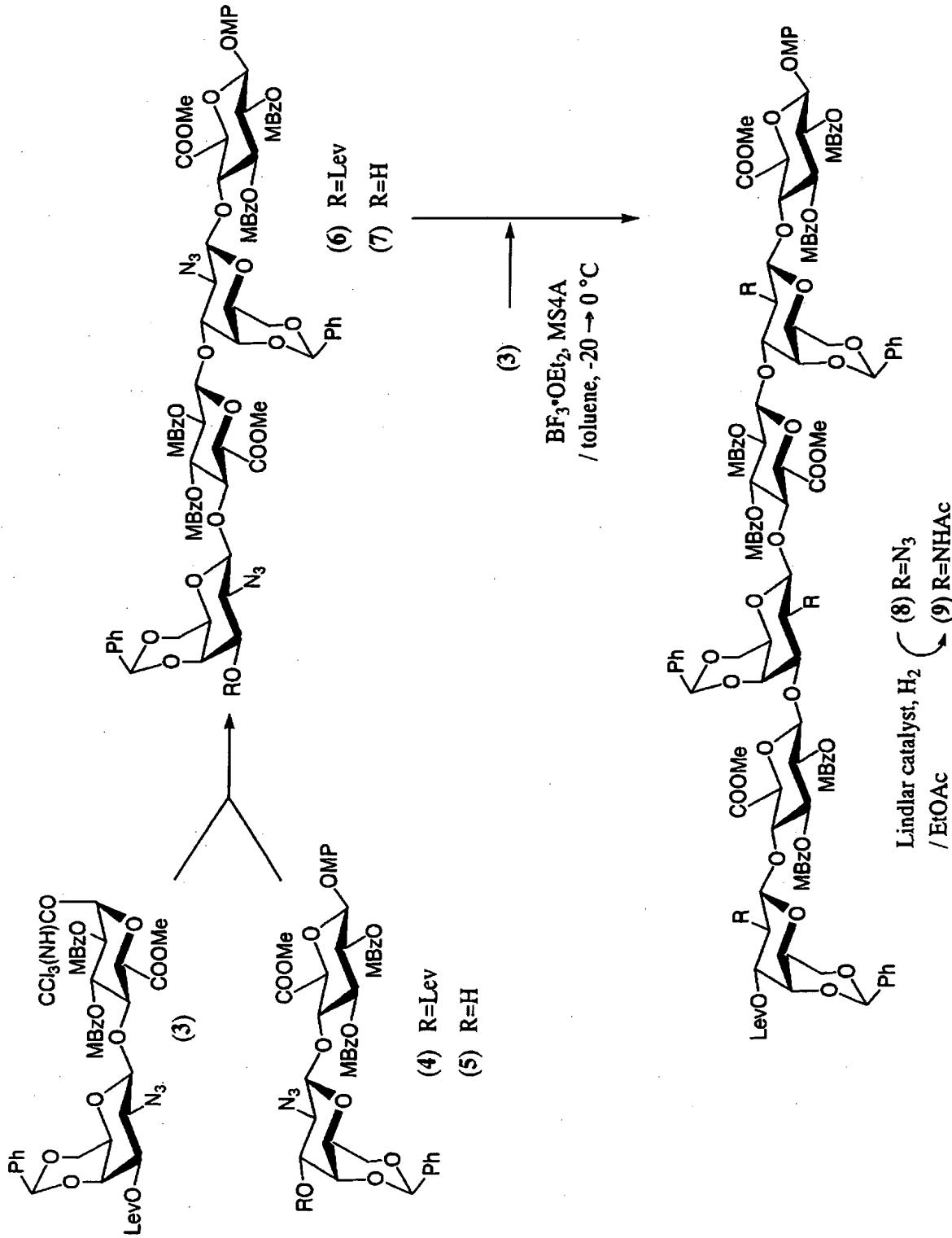
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FIG.6-3



Abbreviations: Me,  $\text{CH}_3-$ ; MBz,  $p\text{-MeC}_6\text{H}_4\text{CO}-$ ; MP,  $p\text{-MeOC}_6\text{H}_4-$ ; Ac,  $\text{CH}_3\text{CO}-$ ; Ph,  $\text{C}_6\text{H}_5-$ .

FIG. 7



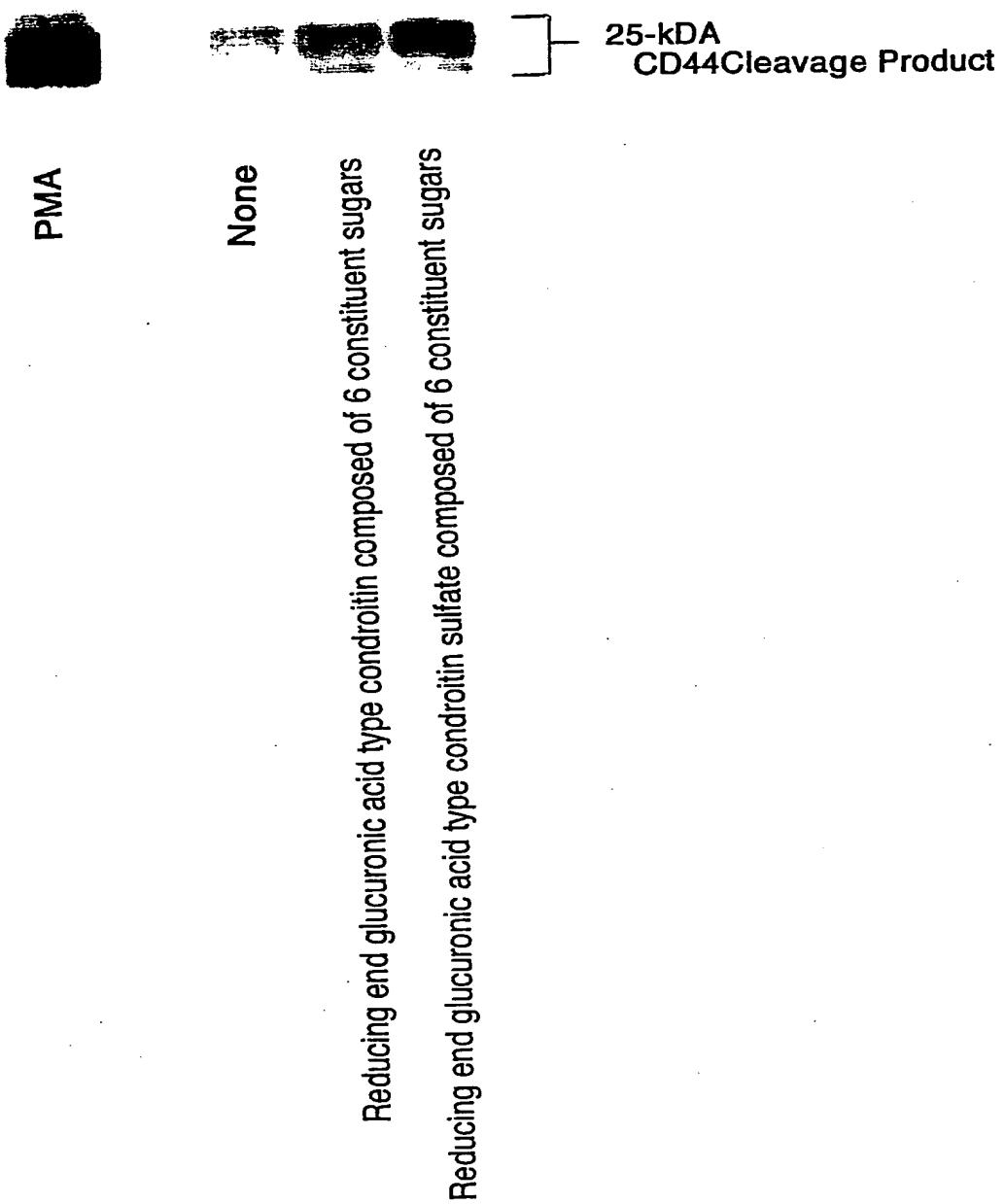
## FIG.8

<Test Method>

- ↓ MIA PaCa-2 (human pancreatic carcinoma cell line) is plated on 24-well plate ( $1 \times 10^5$  / well)
- ↓ Incubation (37°C, overnight)
- ↓ Incubation (37°C, 30min) with 10  $\mu$ M cysteine protease inhibitor (MQ132) added
  - ↓ • Incubation (37°C, 60min) wth RCE6 or RC6 added
    - positive control : Incubation (37°C, 30min) with Phorbol myristic acid ester added
    - negative control : Nothing is added
- ↓ Cells are collected after lysated with SDS buffer
- ↓ SDS PAGE
- ↓ Western blotting assay
  - Primary antibody : anti-human cytoplasm CD44 rabbit polyclonal antibody
  - Secondary antibody : horseradish peroxidase conjugated goat anti-rabbit IgG

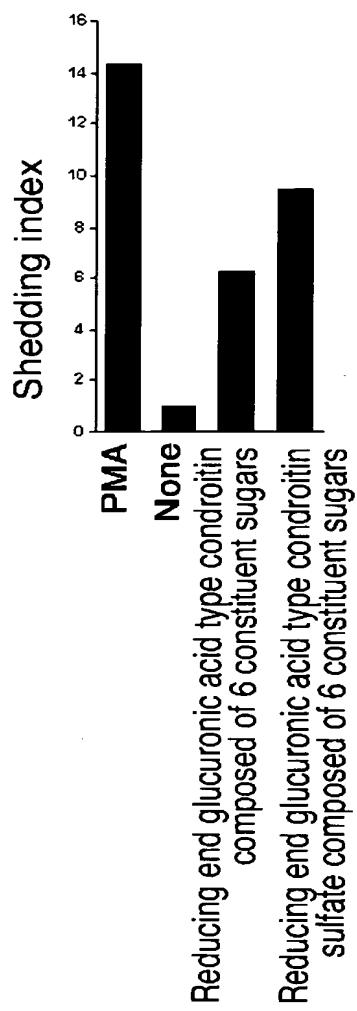
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## FIG.9



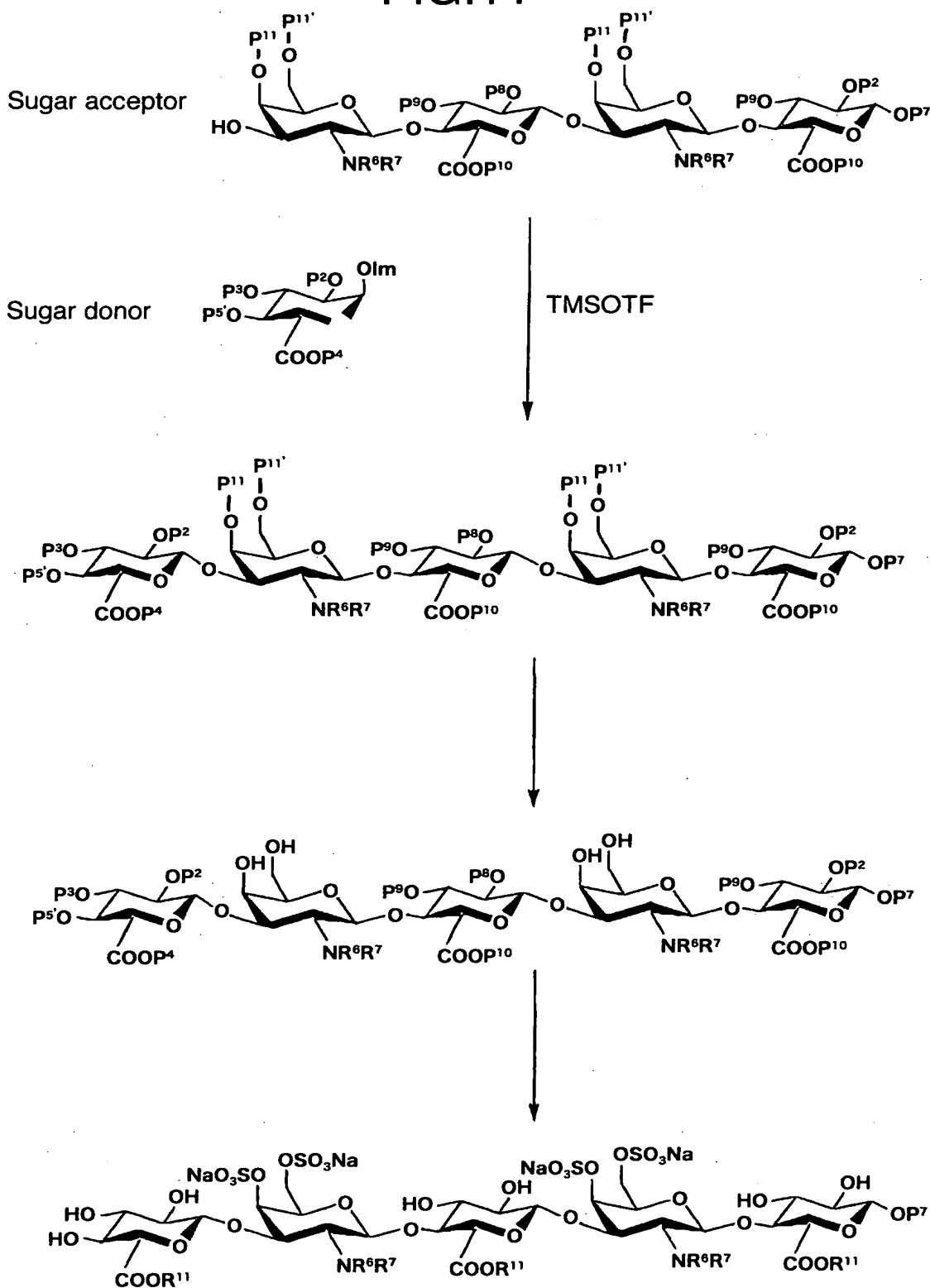
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FIG.10



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FIG.11



Abbreviations: Me, CH<sub>3</sub>-; MBz, *p*-MeC<sub>6</sub>H<sub>4</sub>CO-; MP, *p*-MeOC<sub>6</sub>H<sub>4</sub>-; Ac, CH<sub>3</sub>CO-; Ph, C<sub>6</sub>H<sub>5</sub>-.

FIG.12

